

ABSTRACT

A method and apparatus is provided for estimating the mean pressure in a compressible fluid strut. A database is employed containing values for mean pressure variation corresponding to a specific combination of motor speed and flow demand, and may also account for strut temperature. The flow demand and the speed of the motor are determined, and the mean variation corresponding to the determined combination of motor speed and flow demand is selected. The estimation of strut mean pressure is updated with the selected mean pressure variation. In this way, costly pressure sensors are eliminated as well as the complicated control algorithms which are used therewith.